# **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("3891616").PN.	USPAT; DERWENT	OR	OFF	2006/12/18 12:50
S2	4	(("6855715") or ("6946475")).PN.	USPAT; DERWENT	OR	OFF	2006/12/15 15:26
S3	770	((564/182) or (548/574)).CCLS.	USPAT; DERWENT	OR	OFF	2006/12/18 12:50

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LOGINID:SSPTASXY1626

FULL ESTIMATED COST

#### PASSWORD:

\* \* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \* SESSION RESUMED IN FILE 'HCAPLUS' AT 17:17:42 ON 15 DEC 2006 FILE 'HCAPLUS' ENTERED AT 17:17:42 ON 15 DEC 2006 COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS ENTRY SESSION FULL ESTIMATED COST 2.53 73.97 => file reg COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

SINCE FILE

2.53

TOTAL

73.97

FILE 'REGISTRY' ENTERED AT 17:17:54 ON 15 DEC 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7 DICTIONARY FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s electrode L13 11 ELECTRODE

=> s amino acid deriv? 6522749 AMINO 7992908 ACID 757595 DERIV? 26 AMINO ACID DERIV? L14

(AMINO(W) ACID(W) DERIV?)

=> s 113 and 114

L15 0 L13 AND L14

=> s produc?

L16 13971 PRODUC?

=> s amino acid deriv? 6522749 AMINO 7992908 ACID

757595 DERIV?

L17 26 AMINO ACID DERIV?

(AMINO (W) ACID (W) DERIV?)

=> s 116 and 117

L18 0 L16 AND L17

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 38.96 112.93

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 17:19:22 ON 15 DEC 2006
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FILE COVERS 1907 - 15 Dec 2006 VOL 145 ISS 26 FILE LAST UPDATED: 14 Dec 2006 (20061214/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 114

L19 10 L14

=> d ed abs ibib hitstr 1-10

```
ANSWER 1 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN
Entered STN: 29 Sep 2005
A Tat-based tolerogen composition comprising at least one immunogenic
              couplet to at least one human immunodeficiency virus (HIV)
             of transcription (Tat) mol. wherein the immunogenic antigen can be a foreign or endogenous antigen or fragments thereof. Addnl. methods of suppressing organ transplant rejection and methods of treating autoimmune diseases such as rheumatoid arthritis are provided.

SION NUMBER: 2005:1042276 HCAPLUS
DOCUMENT NUMBER:
                                                                   143:345319
                                                                   Tolerogen comprising HIV-1 Tat protein or epitope and foreign or endogenous antigen for suppressing organ transplant rejection, inflammation and autoimmune
TITLE:
                                                                   Cohen, David I.
Inist Inc., USA
INVENTOR (S) :
 PATENT ASSIGNEE (S):
                                                                   PCT Int. Appl., 51 pp.
CODEN: PIXXD2
Patent
SOURCE:
DOCUMENT TYPE:
                                                                   English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:
             PATENT NO.
                                                                    KIND
                                                                                       DATE
                                                                                                                        APPLICATION NO.
                                 090392 A1 20050939 MO 2005-US8634 20050316
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BH, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
             WO 2005090392
                        RM: BM, GH, GM, KE, LS, MM, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DE, EE, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, FT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GM, ML, MR, NE, SN, TD, TG
 PRIORITY APPLN
                                                                                                                        US 2004-553733P
                                                                                                                                                                              P 20040316
                                                                                                                        US 2005-649021P
                                                                                                                                                                               P 20050131
          865508-69-6DP, chimeric derivs.
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
RPP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; tolerogen comprising HIV-1 Tat protein or
             ope
and foreign or endogenous antigen for suppressing organ transplant
rejection, inflammation and autoimmune disease)
865508-69-6 HCAPLUS
Transcription factor tat (synthetic human immunodeficiency virus 1
98-amino acid derivative) (9CI) (CA INDEX NAME)
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ANSWER 2 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 18 Apr 2003 Compns. and methods for immunotherapy of malignant diseases, such as leukemia and cancer, are disclosed. The compns. comprise one or more of
                     WT1 polynucleotide, a WT1 polypeptide, an antigen-presenting cell presenting a WT1 polypeptide, an antibody that specifically binds to a
                     polypeptide; or a T cell that specifically reacts with a WTl polypeptide. Such compns. may be used, for example, for the prevention and treatment
                      metastatic diseases.
ACCESSION NUMBER:
                                                                                                                  2003:300439 HCAPLUS
DOCUMENT NUMBER:
                                                                                                                   138:319680
                                                                                                                 138:319680
WT1 protesins, polynucleotides and antibodies for cancer diagnosis and therapy
Gaiger, Alexander; McNeill, Patricia D.; Smithgall,
Molly; Moulton, Gus; Vedvick, Thomas S.; Sleath, Paul
R: Mosaman, Sally; Evans, Lawrence; Spies, A.
Gregory; Boydston, Jeremy
USA
TITLE:
INVENTOR(S):
PATENT ASSIGNEE(S):
                                                                                                                  U.S. Pat. Appl. Publ., 197 pp., Cont.-in-part of U.S. Ser. No. 785019.
CODEN: USXXCO
DOCUMENT TYPE:
 LANGUAGE:
                                                                                                                   English
12
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                      PATENT NO.
                                                                                                                   KIND
                                                                                                                                                  DATE
                                                                                                                                                                                                           APPLICATION NO.
                                                                                                                                                                                                                                                                                                                       DATE
                                                                                                                                                                                                           US 2001-938864
US 1998-164223
US 2000-684361
US 2001-785019
                     US 2003072767
US 7063854
US 7115272
US 2003082196
                                                                                                                                                                                                                                                                                                                       20010824
                                                                                                                       A1
B1
                                                                                                                                                    20030417
                                                                                                                                                    20060620
                                                                                                                                                                                                                                                                                                                          19980930
                  US 7115372 B1 20061003 US 2000-684361 20001006 US 2001082196 A1 20030501 US 2001-785019 20010218  
US 7144581 B2 20061205 US 2001-785019 20010218  
A2 2001002066 A 20020910 CA 2425072 20011003  
WO 200202441 A1 20020411 CA 2001-2425072 20011003  
WI AR, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CM, CM, CC, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, LS, LT, LU, LV, MA, MD, M, MM, MM, MZ, MO, AZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, VY, UZ, AZ, WRIGH, GM, ME, LS, MM, MZ, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, VY, UZ, AZ, WRIGH, GM, ME, LS, MM, MZ, SD, SZ, TZ, UG, ZM, AT, BE, CH, CY, DB, CF, CG, CI, CM, GA, GM, GO, GM, HL, MR, NE, SN, TD, TG A20 2001096608 A5 20020415 A1 20030723 EP 1232387 A1 20030723 EP 2001-977493 20011003 R: AT, BE, CH, DB, DK, ES, FR, GB, GR, IT, LI, LU, NE, SE, MC, PT, SE, TR, BF, CN, DS, DK, ES, FR, GB, GR, IT, LI, LU, NE, MC, PT, SE, TR, DF, 2004510425 T2 20040408 CN 2003095871 A1 200302524 US 2003196525 A1 20031023 US 2002195658 A1 20031225 US 2002-244630 20022916 US 20031215458 A1 20031120 US 2002-244630 20022916 US 2003121548 A1 20031225 US 2002-244630 2002-244630 20022916 US 2003121548 A1 20031225 US 2002-244630 20022916 US 2003121548 A1 20031225 US 2002-244630 20022916 US 2002315557 A1 20031225 US 2002-244630 20022916 US 2002315557 A1 20031225
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Young, Shawquia, Page 3

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L19 ANSWER 1 OF 10 HCAPLUS COPYRIGHT 2006 ACS ON STN (CONTINUED)
--- STRUCTURE DIAGRAM IS NOT AVAILABLE ---
THERE ARE 11 CITED REFERENCES AVAILABLE FOR
                                                   RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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ANSMER 2 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN US 2004018204 Al 20040129 US 2003-427717 US 20041646162 Al 20040701 US 2003-648780 AU 2003257511 Al 20031120 AU 2003-257511 US 2006121046 Al 20060508 US 2006-340431 RITY APPLN. INFO:: US 1998-164223
                                                                                                 (Continued)
20030430
20030826
20031023
20060125
A2 19980930
                                                                                                        A2 19990325
                                                                                                        A2 20001006
                                                                       US 2001-785019
                                                                       AU 1999-64078
                                                                                                        A 20010824
                                                                       US 2001-938864
                                                                       WO 2001-US31139
                                                                                                        W 20011003
                                                                       US 2001-2603
                                                                                                        A2 20011030
                                                                                                        A2 20020416
                                                                       US 2002-125635
                                                                                                        A2 20020712
                                                                       US 2002-195835
                                                                                                        A2 20020916
                                                                       US 2002-244830
                                                                       US 2002-286333
                                                                                                        A2 20021030
       514230-24-1P 514230-25-2P 514230-26-3P
        514330-24-1P 514230-25-2P 514330-26-3P
RL: BPN (Biospynthetic preparation): BSU (Biological study, unclassified);
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use): BIOL
(Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence: WTI proteins, polynucleotides and antibodies for cencer diagnosis and therapy)
514330-24-1 HCAPLUS
       514230-24-1
       Transcription factor WT1 (Wilms' tumor suppressor 1) (human 428-amino
acid
       derivative) (9CI) (CA INDEX NAME).
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
       514230-25-2 HCAPLUS
Transcription factor WT1 (Wilms' tumor suppressor 1) (human 414-amino
acid
       derivative) (9CI) (CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
       514230-26-3 HCAPLUS
Transcription factor WT1 (Wilms' tumor suppressor 1) (human 417-amino
       derivative) (9CI) (CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
```

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ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 24 Jan 2003
               Derivs. of haptoglobin that are therapeutically useful as anti-oxidants
               the treatment of oxidative stress are described. Genes encoding these derivs, are also described. Methods of screening haptoglobin derivs for their antioxidant function by their ability to inhibit Hb-dependent tion.
               acton
of a substrate including linolenic acid and LDL. A series of haptoglobin
derivs. were prepared as fusion products with glutathione-S-transferase
               standard methods. These were screened for their ability to bind Hb and
               inhibit oxidation of linolenic acid and LDL.
SSION NUMBER: 2003:58257 HCAPLUS
HENT NUMBER: 138:126930
   ACCESSION NUMBER:
    DOCUMENT NUMBER:
                                                               Haptoglobin-derived antioxidants for use in pharmaceuticals for treatment of oxidative stress and
   TITLE:
                                                                the genes encoding them
    INVENTOR (5):
    PATENT ASSIGNEE(S):
                                                                Rappaport Family Institute for Research in the
   Medical
                                                               Sciences, Israel
PCT Int. Appl., 38 pp.
CODEN: PIXXD2
Patent
   SOURCE:
   DOCUMENT TYPE:
   FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
               PATENT NO.
                                                                KIND
                                                                                                             APPLICATION NO
                                                                                DATE
               WO 2003006668
WO 2003006668
                                                                  A2
A3
                                                                                 20030123
                                                                                                              WO 2002-IL530
                                                                                                                                                                       20020627
   WO 2002-IL530
                                                                                                                                                                W 20020627
               488769-09-1 488769-10-4
RL: BSU (Biological study, unclassified); PRP (Properties); THU
(Therapeutic use); BloL (Biological study); USES (Uses)
(amino acid sequence; haptoglobin-derived antioxidants for use in
pharmaceuticals for treatment of oxidative stress and genes encoding
them)
               ANSWER 4 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 12 Apr 2002 Compns. and methods for the therapy of malignant diseases, such as leukemia and cancer, are disclosed. The compns. comprise one or more of
               WT1 polynucleotide, a WT1 polypeptide, an antigen-presenting cell presenting a WT1 polypeptide, an antibody that specifically binds to a
               polypeptide; or a T cell that specifically reacts with a WT1 polypeptide. Such compns. may be used, for example, for the prevention and treatment
                metastatic diseases.
                                                             136:308523
Compositions and methods for WT1 specific immunotherapy
Gaiger, Alexander; McNeill, Patricia D.; Smithgall,
Molly; Moulton, Gus; Vedvick, Thomas S.; Sleath, Paul R.; Mossman, Sally; Evans, Lawrence; Spies, A.
Gregory; Boydston, Jeremy
Corixa Corporation, USA
PCT Int. Appl., 260 pp.
CODEN: PIXXD2
Patent
English
12
    ACCESSION NUMBER:
                                                                2002:275811 HCAPLUS
    DOCUMENT NUMBER:
TITLE:
    INVENTOR(S):
    PATENT ASSIGNEE(S):
    SOURCE:
    DOCUMENT TYPE:
LANGUAGE:
    FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
PATENT NO. KIND DATE APPLICATION NO. DATE

MO 2002028414 A1 20020411 W0 2001-US31139 20011003

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MM, MM, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RN: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 7115272 B1 200610205 US 2001-684361 20001006

US 7144581 B2 200610205

US 200302196 A1 20030601 US 2001-785019 20010215

US 7144581 B2 200610205

US 2003027367 A1 20030417 CA 2001-2425072 20011003

AU 2001096608 A5 20020415 AU 2001-96608 20011003

EP 1328267 A1 20030723 EP 2001-977493 20011003

R: AT, BE, CH, DE, DK, SS, FR, GB, GR, IT, LI, LU, NL, NS, EM, PT, IS, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004510425 T2 20040408 JP 2002-2532238 20011003

AU 20030237511 A1 20031120 AU 2000-2684361 A 20001006
               PATENT NO.
                                                                KIND
                                                                              DATE
                                                                                                              APPLICATION NO.
                                                                                                                                                                        DATE
                                                                                                              US 2000-685830
                                                                                                                                                                A 20001009
                                                                                                              US 2001-785019
                                                                                                                                                                A 20010215
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488769-10-4 HCAPLUS
Haptoglobin (human 70-amino acid derivative) (9CI) (CA INDEX NAME)
 *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
L19 ANSWER 4 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN US 1998-164223
                                                                                                                          (Continued)
A2 19980930
                                                                                         AU 1999-64078
                                                                                                                                  A3 19990930
                                                                                          WO 2001-US31139
                                                                                                                                  W 20011003
         410109-27-2P 410109-28-3P 410109-29-4P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL
(Biological study); PREP (Preparation); USES (Usea)
(amino acid sequence; WTI polypeptides, polynucleotides and antibodies
for diagnosis and treatment of leukemias and cancers)
410109-27-2 HCAPLUS
          Transcription factor WT1 (Wilms' tumor suppressor 1) (synthetic 428-amino acid derivative) (9CI) (CA INDEX NAME)
 *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 410109-28-3 HCAPLUS
CN Transcription factor WT1 (Wilms' tumor suppressor 1) (synthetic 414-amino acid derivative),(9CI) (CA INDEX NAME)
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THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

L19 ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN RN 488769-09-1 HCAPLUS

STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*
REFERENCE COUNT: 1 THERE ARE 1

Haptoglobin (human 129-amino acid derivative) (9CI) (CA INDEX NAME)

(Continued)

A 20010824

FORMAT

US 2001-938864

```
ANSWER 5 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 25 Nov 1999
An inhibitor of the HCV NS3 protease is disclosed. The inhibitor is a subsequence of a substrate of the NS3 protease or a subsequence of the NS4 cofactor. Another inhibitor of the present invention contains a subsequence of a substrate linked to a subsequence of the NS4A cofactor In another embodiment the inhibitor is a bivalent inhibitor comprised of
               subsequence, a mutated subsequence or a mutated full-length of a
subsequence, a mutated subsequence or a mutated full-length of a subsequence, a mutated subsequence of the NS3 protease linked to a subsequence, a mutated subsequence or a mutated full-length sequence of the HCV NS4A cofactor.

ACCESSION NUMBER: 139:48338 HCAPLUS

DOCUMENT NUMBER: 132:428

TITLE: Synthetic inhibitors of hepatitis C virus NS3 protease

INVENTOR(S): Zhang, Rumin; Mui, Philip W.; Weber, Patricis C. Schering Corporation, USA

SOURCE: U.S., 27 pp.

CODEN: USXAMM
                                                                       Zhang, Rumin; Mui, Philip W.; Weber, Patricia C. Schering Corporation, USA U.S., 27 pp. CODEN: USXXAM Patent English 1
 DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
               PATENT NO.
                                                                                                                                 APPLICATION NO.
                                                                          KIND
                                                                                             DATE
 US 5990276
PRIORITY APPLN. INFO.:
                                                                                                                                US 1997-853623
US 1996-17470P
                                                                                                                                                                                                    19970509
                                                                                             19991123
              185352-64-1
RL: PRP (Properties)
(unclaimed nucleotide sequence; synthetic inhibitors of hepatitis C virus NS3 protesse)
185352-64-1 HCAPLUS
DNA (synthetic hepatitis C virus polyprotein-processing proteinase NS3
255-amino acid deriv. gene) (9CI) (CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS
                                                                                          RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT
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1	L19	ANSWER 6 OF 10	HCAPLUS	COPYRIGHT 2	2006 ACS on STN	(Continued)			
		CA 2303483	AA	19990701	CA 1998-2303483	19981219			
		AU 9919180	A1	19990712	AU 1999-19180	19981219			
		AU 765741	B2	20030925					
		BR 9813757	A	20001003	BR 1998-13757	19981219			
		EP 1044217	A2	20001018		19981215			
					GB, GR, IT, LI, LU				
			LT, LV,		05, 011, 11, 21, 20	,,,,			
		JP 2001526063	T2	20011218	JP 2000-525451	19981215			
		NZ 503417	A	20021220					
				20021220	US 1997-68179P				
,	PRIO	RITY APPLN. INFO	.:		05 1797-68179F	F 19971413			
					US 1998-99840P	P 19980911			
					WO 1998-US26705	W 19981215			
:	ΙT	228853-49-4							
1	PRP	RL: BOC (Biolog	ical occu	irrence); BSU	J (Biological study	, unclassified);			
		(nucleotide	sequence for diag	sensitive t	y); OCCU (Occurrenc to apoptosis gene ( treating neurodegen	SAG) and			
1	RN	228853-49-4 HC							
(	CN	DNA (human HeLa cell gene SAG zinc ring finger-containing DNA-binding							
		protein 90-amin	o acid de	erivative-spe	ecifying plus 3'-fl	ank) (9CI) (CA			
		INDEX NAME)							

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L19 ANSWER 6 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 09 Jul 1999

AB The invention provides novel genes and polypeptides derived therefrom encoding a redox-sensitive protein that promotes cell growth, protects cells from apoptosis, scavenges oxygen radicals and can be used for the reversion of a tumor phenotype. To identify gene(s) responsible for 1,10-phenanthroline (OP)-induced apoptosis in two murine tumor lines a differential display technique was used and CDNA for an OP-inducible gene SAG was cloned into TA cloning vectors. SAG encodes a novel, redox-sensitive heme-binding protein with a zinc ring finger domain. The SAG protein consists of 113 amino acids with a calculated mol. weight of
                       kDa. Sequence homol. searches reveal that SAG is highly conserved among species, suggesting its functional importance. This suggestion is demonstrated by the finding that SAG disruption in yeast is lethal. Two SAG deletion mutants have been detected in human cancer cell lines originating from colon and testis, suggesting its possible role in human carcinogenesis. Overexpression of SAG protein in a human colon carcinoma line, DLD1, and a human neuroblastoma line, SYSY, protects cells from apoptosis induced by OP, zinc and copper ions. Furthermore, antisense
                        transfection inhibits certain tumor cell phenotypes in DLD1 human cell line and microinjection of SAG RNA stimulates cell growth. We propose that SAG protein is a cellular protective mol. functioning as a redox sensor to buffer oxidative-stress induced damage as well as a growth factor to stimulate cell growth. SAG protein will be an ideal mol.
    target
in the development of drugs against neurodegenerative disorders, cancers,
muscle dystrophy, and promoting wound healing.

ACCESSION NUMBER: 1999:425792 HCAPLUS

DOCUMENT NUMBER: 1311-69276

TITLE: Sensitive to apoptosis gene (SAG) and its
    applications
                                                                                                                         for diagnosing and treating neurodegenerative
disorders and cancers
Sun, Yi
Warner-Lambert Company, USA
PCT Int. Appl., 84 pp.
CODEN: PIXXD2
Patent
     INVENTOR (S)
   PATENT ASSIGNEE(S):
SOURCE:
   DOCUMENT TYPE:
                                                                                                                          English
   LANGUAGE:
FAMILY ACC, NUM. COUNT:
PATENT INFORMATION:
                          PATENT NO.
                                                                                                                           KIND
                                                                                                                                                          DATE
                                                                                                                                                                                                                    APPLICATION NO.
                                                                                                                                                                                                                                                                                                                                  DATE
                          W0 9932514
W: AL, AU, BA,
RD, SG, SI,
KZ, MD, RU,
RW: GH, GM, KE,
FI, FR, GB,
CM, GA, GN,
ZA 9811600
                                                                                                                                                           19990701
                                                                                                                              A2
A3
                                                                                                                                                                                                                     WO 1998-US26705
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BB, BG, BR, CA, CN, CU, CZ, EE, GE, HR, HU, ID, IL,
KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL,
SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG,
TJ, TM
LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
GW, ML, MR, NE, SN, TD, TG
A 19990623 ZA 1998-11600 19980917
    L19 ANSWER 7 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 07 Jul 1999

AB Described is a method for the production of human type I collagen-like proteins by expression of a cassette containing 1-30 (preferably, 5-8) tandemly repeats of the collagen-encoding DNA sequence in Bacillus
 tandemly repeats of the collagen-encoding DNA sequence in Bachille
brevia,
followed by recovering the collagen products accreted into the medium by
the B. brevia. Preparation of neutral or hydrophilic artificial collagen
(gelatin) from the culture of transgenic B. brevis was demonstrated.

ACCESSION NUMBER:
1999:417709 HCAPLUS

INTITLE:
Recombinant preparation of human collagen-like
proteins with Bacillus brevis

Kashino, Tsutomu: Takhabehi, Haruo; Yamada, Yukio;
Hirai, Masana; Takagi, Hiroaki; Ebisu, Shogo;
Watanabe, Fumiko

PATENT ASSIGNEE(S):
Toyota Central Research and Development Laboratories,
Inc., Japan; Higeta Shoyu Co., Ltd.
Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF

DOCUMENT TYPE:
Patent
    DOCUMENT TYPE:
                                                                                                                             Patent
Japanese
     LANGUAGE:
    FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                                                                                                                                                                                                      APPLICATION NO.
                                                                                                                                                                                                                                                                                                                                     DATE
                                                                                                                            KIND DATE
                            PATENT NO.
                                                                                                                                                                                                                      JP 1997-353216
JP 1997-353216
    JP 11178574
PRIORITY APPLN. INFO.:
                                                                                                                                A2
                                                                                                                                                            19990706
                            230624-07-4P 230624-08-5P
                            ### AUDIT - UP AUDIT -
    proteins with
Bacillus brevis)
RN 230624-07-4 HCAPLU
                           230624-07-4 HCAPLUS
Collagen (human type I 231-amino-acid derivative) (9CI) (CA INDEX NAME)
       *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
                                                                                        HCAPLUS
                           Collagen (human type I 168-amino-acid derivative) (9CI) (CA INDEX NAME)
       *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
                           STRUCTURE DIMORMS IS NOT ANYTHERDE 230624-09-6P 230624-10-9P
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process) (nucleotide sequence; recombinant preparation of collagen-like
    (nucleotide sequence; recombinant preparation of proteins with Bacillus brevis)
RN 230624-09-6 HCAPIUS
CN DNA (synthetic human type I collagen 231-amino-acid derivative-specifying)
(SCI) (CA INDEX NAME)
    *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 230624-10-9 HCAPLUS
CN DNA (synthetic human type I collagen 168-amino-acid derivative-specifying)
```

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L19 ANSWER 7 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued) (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

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L19 ANSWER 9 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 24 Nov 1997
AB Polypeptides with a repeating sequence of glycine-rich sequence of spider dragline silk were synthesized in E. Coli. The polypeptide in the solid state formed a β-sheet structure which exists in crystalline region of spider silk.

ACCESSION NUMBER: 1997:739997 HCAPLUS
 DOCUMENT NUMBER:
TITLE:
                                                              128:72114
                                                             Secondary structural studies of biosynthetic polypeptides with a repeating sequence of
 glycine-rich
                                                              sequence of spider dragline silk
Fukushima, Yasumasa; Nakajima, Hiroshi
Research and Development Center, Unitika Ltd., Kyoto,
611, Japan
 AUTHOR(S):
CORPORATE SOURCE:
                                                             611, Japan
Chemistry Letters (1997), (11), 1087-1088
CODEN: CMLTAG; ISSN: 0366-7022
Chemical Society of Japan
 SOURCE:
PUBLISHER:
DOCUMENT TYPE:
LANGUAGE:
IT 200445-99-
            MENT TYPE: Journal Lagg: English 200446-01-1P 200445-99-4P 200446-00-0P 200446-04-4P 200446-04-4P
           200446-05-5P
RL: BPN (Biosynthetic preparation); PRP (Properties); BIOL (Biological study); PRPP (Preparation)
(amino acid sequence; secondary structure of biosynthetic polypeptides with a repeating sequence of glycine-rich sequence similar to spider dregline silk protein spidroin)
200445-99-4 HCAPLUS
Protein (eynthetic spider dragline silk 105-amino acid derivative) (9CI)
(CA INDEX NAME)
          STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-00-0 HCAPLUS
Protein (synthetic spider dragline silk 120-amino acid derivative) (9CI)
(CA INDEX NAME)
          STRUCTURE DIAGRAM IS NOT AVAILABLE ***
            200446-01-1 HCAPLUS
Protein (synthetic spider dragline silk 135-amino acid derivative) (9CI)
(CA INDEX NAME)
         STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-02-2 HCAPLUS
Protein (synthetic spider dragline wilk 150-amino acid derivative) (9CI)
(CA INDEX NAME)
          STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-03-3 HCAPLUS
Protein (synthetic spider dragline silk 210-amino acid derivative) (9CI)
(CA INDEX NAME)
         STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-04-4 HCAPLUS
Protein (synthetic spider dragline silk 225-amino acid derivative) (9CI)
(CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 200446-05-5 HCAPLUS
CN Protein (synthetic spider dragline milk 240-amino acid derivative) (9CI)
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Young, Shawquia, Page 6

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L19 ANSWER 8 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 04 Mar 1998
AB We described genetically engineered syntheses of tandem repetitive polypeptides consisting of glycine-rich sequence.

GlyLeuclyGlyGlyGlnGlyGlyGlyAlaGlyGlnGlyGlyTyTGly, designated SCAP(1), in spidroin 1 of spider dragline silk from Nephila clavipes and the secondary conformational analyses in the solid state by Fourier transform IR measurements. The polypeptides composed of 4, 5, 6, 7, 11, 12, or 13 repeats of SCAP(1) were expressed in Escherichia coli, purified by nickel chelate affinity chromatog, and then cleaved with cyanogen bromide to release N and C-terminal extensions. Typical yields were from 1.2 to 5.2

mg of lyophilized uncleaved polypeptides per L of fermentation medium at an absorbance of 2.0 at 600 nm, and the production levels increased with decreasing the mol. weight of the expressed polypeptides. The lyophilized powder of cleaved SCAP(13) adopted the random coil, whereas the cast film from formic acid formed the β-sheet structure. The conformational results might indicate that the glycine-rich sequence formed β-sheet structure in spidroin I. Cleaved SCAP(13) started to decompose under nitrogen at ca. 230°C, which was in agreement with the decomposition temperature of the spider dragline silk from N. clavipes.

ACCESSION NUMBER: 1991:129222 HCAPLUS

DOCUMENT NUMBER: 128.26673

TITLE: Genetically engineered syntheses of tandem repetitive polypeptides consisting of glycine-rich sequence of spider dragline silk

AUTHOR(S): Research and Development Center, Unitika Ltd., Kyoto, 611, Japan

SOURCE: BipMak: ISSN: 0006-3525

John Wiley & Sons, Inc.

JOURNES ISPNAB: ISSN: 0006-3525

John Wiley & Sons, Inc.

JOURNES ISPNA (Biosynthetic preparation); RCT (Reactant); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (genetically engineered syntheses of tandem repetitive polypeptides consisting of glycine-rich sequence of spider dragline silk)

PV total minument of spider dragline silk 105-amino acid de
```

L19 ANSWER 9 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

```
L19 ANSWER 10 OP 10 HCAPLUS COPYRIGHT 2006 ACS on STN ED Entered STN: 27 Jan 1997 AB Soluble HCV NS3 protease, including the NS3 protease fused to a
  solubilizing motif; a fusion of the NS3 and NS4 regions under conditions where they
                   not cleaved by the NS3 protease; bacterially expressed soluble HCV NS3 protease; and host cells wherein at least 1% of the cell's total protein is soluble heparitis C virus (RCV) NS3 protease are claimed. Expts. demonstrated that E. coli-expressed NS3 protease variants catalyzed cleavage of HCV polyproteins and synthetic peptide substrates. The processing activity of NS3 was enhanced by NS4A and its derive. The activity of the fusion protein containing the NS3 catalytic domain and
 was much superior to that of the NS3 catalytic domain alone. A surface plasmon resonance assay for NS3 protease was developed and described. ACCESSION NUMBER: 1997:56164 HCAPLUS
DOCUMENT NUMBER: 126:71201
  TITLE:
                                                                                            Recombinant, soluble, active hepatitis C virus NS3
                                                                                          Recombinant, soluble, active hepatitis C viru
protease
Dasmahapatra, Bimalendu; Murray, Michael G.;
Ramanathan, Lata; Butkiewicz, Nancy J.
Schering Corporation, USA
PCT Int. Appl., 71 pp.
CODEN: PIXXD2
Patent
  INVENTOR (S):
  PATENT ASSIGNEE(S):
  DOCUMENT TYPE:
 LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
                   PATENT NO.
                                                                                                                   DATE
                                                                                                                                                               APPLICATION NO.
                                                                                            KIND
PATENT NO. KIND DATE APPLICATION NO. DATE

WO 9636702 A2 19961121 WO 1996-US6387 19960509

WO 3636702 A3 19970116

WE AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IS, JF, KG, KR, KZ, LK, LK, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU

RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NS, SN, TD, TG

US 584375 A 19981201 US 1995-440409 19950512

CA 2220575 AA 19961121 CA 1996-2220575 19960509

CA 2220575 C 20011225

AU 9657291 A1 1996129 AU 1996-57291 19960509

EP 826038 A2 19980304 EP 1996-915539 19960509

ER AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, LT, LV, FI

JP 10507933 T2 19980804 JP 1996-514876 19960509

PRIORITY APPLN. INFO: US 1995-440409 A 19950512
```

IT 185352-54-9 RL: PRP (Properties)

```
L19 ANSWER 10 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(amino acid sequence; recombinant, sol., active hepatitis C virus NS3
protease)
RN 185352-54-9 HCAPLUS
Proteinase, polyprotein-processing, NS3 (synthetic hepatitis C virus 270-amino acid deriv.) (9C1) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
185352-61-8 185352-62-9 185352-63-0
185352-61-8 185352-62-9 185352-63-0
185352-61-8 INSO AVAILABLE ***
RN: PRP (Properties)
(nucleotide sequence; recombinant, soluble, active hepatitis C virus Polyprotein-processing proteinase NS3 270-amino acid deriv. gene) (9C1) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 185352-62-9 HCAPLUS
DINA (synthetic hepatitis C virus polyprotein-processing proteinase NS3 237-amino acid deriv. gene) (9C1) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 185352-63-0 HCAPLUS
CN DINA (synthetic hepatitis C virus polyprotein-processing proteinase NS3 250-amino acid deriv. gene) (9C1) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 185352-64-1 HCAPLUS
CN DINA (synthetic hepatitis C virus polyprotein-processing proteinase NS3 250-amino acid deriv. gene) (9C1) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 185352-64-1 HCAPLUS
CN DINA (synthetic hepatitis C virus polyprotein-processing proteinase NS3 250-amino acid deriv. gene) (9C1) (CA INDEX NAME)
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\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

=> file reg

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 38.29 151.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL
ENTRY SESSION

CA SUBSCRIBER PRICE

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-7.50

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STRUCTURE FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7 DICTIONARY FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s amino acid derivatives

6522749 AMINO

7992908 ACID

170 DERIVATIVES

L20 0 AMINO ACID DERIVATIVES

(AMINO(W)ACID(W)DERIVATIVES)

=> s amino acid derivative

6522749 AMINO

7992908 ACID

3225 DERIVATIVE

L21 21 AMINO ACID DERIVATIVE

(AMINO (W) ACID (W) DERIVATIVE)

=> file hcaplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 29.00 180.22

OLL ESTIMATED COST 29.00 180.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

CA SUBSCRIBER PRICE 0.00 -7.50

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FILE COVERS 1907 - 15 Dec 2006 VOL 145 ISS 26 FILE LAST UPDATED: 14 Dec 2006 (20061214/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l21 L22 . 8 L21

=> d ed abs ibib hitstr 1-8

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L22 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 29 Sep 2005
AC A Tat-based tolerogen composition comprising at least one immunogenic
                                  couplet to at least one human immunodeficiency virus (HIV)
couplet to at least one human immunodeficiency virus (HIV)

of transcription (Tat) mol. wherein the immunogenic antigen can be a
foreign or endogenous antigen or fragments thereof. Addnl. methods of
suppressing organ transplant rejection and methods of treating autoimmune
diseases such as rheumatoid arthritis are provided.

ACCESSION NUMBER:
2005:1042276 HCAPLUS
TOLETON NUMBER:
143:145319
TOLETON ORDITION OF THE PROPERTY OF TH
 FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                                                                                                                                                                                                                                                           APPLICATION NO.
                               PATENT NO.
                                                                                                                                                          KIND
                                                                              090392 A1 20050929 W0 2005-US8634 20050316
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, F1, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
                                 WO 2005090392
W: AE, AG
                                                                              BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, 2M, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, EE, ES, FT, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NI, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, MR, NE, SN, TD, TG

LN. INFO:

US 2004-553733P P 20
    PRIORITY APPLN.
                                                                                                                                                                                                                                                                                                                                                                                                    P 20040316
                                                                                                                                                                                                                                                                         US 2005-649021P
                                                                                                                                                                                                                                                                                                                                                                                                    P 20050131
                              865508-69-6DP, chimeric deriva.

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);

PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; tolerogen comprising HIV-1 Tat protein or
                              ope
and foreign or endogenous antigen for suppressing organ transplant
rejection, inflammation and autoimmune disease)
865508-69-6 HCAPLUS
Transcription factor tat (synthetic human immunodeficiency virus 1
98-amino acid derivative) (9CI) (CA INDEX NAME)
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L22 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS ON STN US 2004018204 A1 20040129 US 2003-427717 US 2004126562 A1 20040701 US 2003-648780 AU 2003257511 A1 20031120 AU 2003-257511 US 2006121046 A1 20060608 US 2006-34031 PRIORITY APPLN. IMPO.: US 1998-164223
                                                                                            (Continued)
20030430
20030826
20031023
                                                                                                    A2 19980930
                                                                                                    A2 19990325
                                                                     US 1999-276484
                                                                     US 2000-684361
                                                                                                    A2 20001006
                                                                     US 2000-685830
                                                                                                    A2 20001009
                                                                                                    A2 20010215
                                                                     US 2001-785019
                                                                     AU 1999-64078
                                                                                                    A3 19990930
                                                                     US 2001-938864
                                                                                                    A 20010824
                                                                                                    W 20011003
                                                                     WO 2001-U531139
                                                                     US 2001-2603
                                                                                                    A2 20011030
                                                                     US 2002-125635
                                                                                                    A2 20020416
                                                                                                    A2 20020712
                                                                     US 2002-195835
                                                                     US 2002-244830
                                                                                                    A2 20020916
                                                                     US 2002-286333
                                                                                                    A2 20021030
        514230-24-1P 514230-25-2P 514230-26-3P
      514230-24-1P 514230-25-2P 514230-26-3P
RL: BPN (Biosynthetic preparation): BSU (Biological study, unclassified):
DCN (Diagnostic use): PRP (Properties): THU (Therapeutic use): BIOL
(Biological study): PREP (Preparation): USES (Uses)
(amino acid sequence: WT1 proteins, polynucleotides and antibodies for cancer diagnosis and therapy)
514230-24-1 MCAPULUS
        Transcription factor WT1 (Wilms' tumor suppressor 1) (human 428-amino
 acid
        derivative) (9CI) (CA INDEX NAME)
 *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
      514230-25-2 HCAPLUS
Transcription factor WT1 (Wilms' tumor suppressor 1) (human 414-amino
 acid
        derivative) (9CI) (CA INDEX NAME)
 *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 514230-26-3 HCAPLUS
CN Transcription factor WT1 (Wilms' tumor suppressor 1) (human 417-amino
        derivative) (9CI) (CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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L22 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*
THERE ARE 11 CITED REFERENCES AVAILABLE FOR

FORMAT

RECORD. ALL CITATIONS AVAILABLE IN THE RE

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138:319680
WTI proteins, polynucleotides and antibodies for cancer diagnosis and therapy
Gaiger, Alexander; McNeill, Patricia D.; Smithgall,
Molly; Moulton, Gus; Vedvick, Thomas S.; Sleath, Paul
R.; Mossman, Sally; Evans, Lawrence; Spies, A.
Gregory; Boydston, Jeremy
USA
                                                                                                 USA
U.S. Pat. Appl. Publ., 197 pp., Cont.-in-part of U.S. Ser. No. 785019.
CODEN: USXXCO
Patent
PATENT ASSIGNEE (S):
DOCUMENT TYPE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                                                                                                             DATE
                    PATENT NO.
                                                                                                                                                                              APPLICATION NO.
                                                                                                                                                                                                                                                                            DATE
                                                                                                    KIND
                 US 2003072767
US 7063854
US 7115272
US 2003082196
US 7144581
2A 2001002606
CA 2425072
WO 2002028414
W: AE, AG
                                                                                                     A1
B1
B1
A1
B2
                                                                                                                                                                            US 2001-938864
US 1998-164223
US 2000-684361
US 2001-785019
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20060620
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                                                                                                                               20020411
                                                                                                                                                                              CA 2001-2425072
WO 2001-US31139
                                                                                                                               20020411
                                                                                                                                                                                                                                                                            20011003
                  MO 2002028414 A1 20020411 W0 2001-US31139 20011003 W0 2002028414 B1 20020718 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, CM, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MZ, ND, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, VI, ZA, ZW RN: GM, GM, KE, LS, MM, MZ, SD, SI, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, CM, GO, GM, ML, MR, NE, SN, TD, TG A0 2001096608 A5 20020415 A1 2001073 EP 2001-197493 20011003 R; AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 200451045 T2 2004088 PJ 2002-232238 20011003 US 2003095971 A1 20030522 US 2001-23515 20011003 US 2001095271 A1 20010522 US 2001-23635 200210416 US 20011235 A1 2001123 US 2002-244830 20020916 US 2001235458 A1 2001123 US 2002-248630 2002103 US 2001215458 A1 2001123 US 2002-286333 20021030
                                                                                                                               20020718
Young, Shawquia, Page 10
```

ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 18 Apr 2003 Compns. and methods for immunotherapy of malignant diseases, such as leukemia and cancer, are disclosed. The compns. comprise one or more of

WT1 polynucleotide, a WT1 polypeptide, an antigen-presenting cell presenting a WT1 polypeptide, an antibody that specifically binds to a

2003:300439 HCAPLUS

138:319680

polypeptide; or a T cell that specifically reacts with a WT1 polypeptide. Such compns. may be used, for example, for the prevention and treatment

WT1

of

TITLE:

metastatic diseases.

ACCESSION NUMBER:

DOCUMENT NUMBER:

INVENTOR(S):

```
ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 24 Jan 2003 Derivs. of haptoglobin that are therapeutically useful as anti-oxidants
             the treatment of oxidative stress are described. Genes encoding these derivs, are also described. Methods of screening haptoglobin derivs for their antioxidant function by their ability to inhibit Hb-dependent tion
            ntion
of a substrate including linolenic acid and LDL. A series of haptoglobin
derivs. were prepared as fusion products with glutathione-S-transferase
            standard methods. These were screened for their ability to bind Hb and
            inhibit oxidation of linolenic acid and LDL.
SSION NUMBER: 2003:58257 HCAPLUS
 ACCESSION NUMBER:
 DOCUMENT NUMBER:
                                                           138:126930
                                                           138:126930
Haptoglobin-derived antioxidants for use in
pharmaceuticals for treatment of oxidative stress and
the genes encoding them
Levy, Andrew P.
Rappaport Family Institute for Research in the
 TITLE:
  INVENTOR (S):
 PATENT ASSIGNEE(S):
Medical
                                                           Sciences, Israel
PCT Int. Appl., 38 pp.
CODEN: PIXXD2
Patent
 SOURCE:
 DOCUMENT TYPE:
LANGUAGE:
 LANGUAGE: FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
            PATENT NO.
                                                            KIND
                                                                            DATE
                                                                                                         APPLICATION NO.
                                                       WO 2003006668
WO 2003006668

M: AE, AG, AL,
CO, CR, CU,
GM, HR, HU,
LS, LT, LU,
PL, PT, AO,
UA, UG,
UA, UG,
GM, ER, EE,
KG, KZ, MD,
GR, IE, IT,
GN, GO, GW,
US 2003113830
AU 2002345333
PRIORITY APPLN. INFO:
            488769-09-1 488769-10-4
RL: BSU (Biological study, unclassified); PRP (Properties); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)
(amino acid sequence; haptoglobin-derived antioxidants for use in
pharmsceuticals for treatment of oxidative stress and genes encoding
them)
           ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
Entered STN: 12 Apr 2002
Compns. and methods for the therapy of malignant diseases, such as
leukemia and cancer, are disclosed. The compns. comprise one or more of
            WT1 polynucleotide, a WT1 polypeptide, an antigen-presenting cell presenting a WT1 polypeptide, an antibody that specifically binds to a
 WT1
            polypeptide; or a T cell that specifically reacts with a WT1 polypeptide. Such compns. may be used, for example, for the prevention and treatment
             metastatic diseases.
 ACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:
                                                           2002:275811 HCAPLUS
                                                           2002:275811 HCAPLUS
136:308523
Compositions and methods for WT1 specific immunotherapy
Gaiger, Alexander, McNeill, Patricia D.; Smithgall, Molly, Moulton, Gus; Vedvick, Thomas S.; Sleath, Paul R.; Moseman, Sally; Evane, Lawrence; Spies, A. Gregory; Boydston, Jeremy
Corixa Corporation, USA
PCT Int. Appl., 260 pp.
CODEN: PIXXD2
 INVENTOR (S):
 PATENT ASSIGNEE(S):
 SOURCE:
 DOCUMENT TYPE:
                                                             Patent
                                                            English
  LANGUAGE:
 FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
             PATENT NO.
                                                            KIND
                                                                         DATE
                                                                                                         APPLICATION NO.
                                                                                                                                                                DATE
                                                             A1
B1
                                                                             20020411
                                                                                                                                                                 20011003
             WO 2002028414
WO 2002028414
                                                                                                         WO 2001-US31139
           W0 2002028414 B1 20020718

W1 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, F1, GB, GD, GE, GH, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, NX, NZ, PM, PL, PT, RO, RU, SD, SE, SG, ST, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, VU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DB, DK, ES, F1, FR, GB, GR, IE, IT, LUJ, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG

US 7115272 B1 200310501 US 2001-883619 20010028

US 7144581 B2 200310517 US 2001-938864 20010824
                                                                             20020718
                    AA 20020411 CA 2001-2425072 20011003
2001096508 A5 20020415 AU 2001-96608 20011003
1322287 A1 20030723 EP 2001-977493 20011003
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
1E, SI, LT, LV, FI, RO, MK, CY, AL, TR
2004510425 T2 20040408 JP 2002-532238 20011003
2002257511 A1 20031120 AU 2003-257511
APPLN. INFO.:
             US 2003072767
             CA 2425072
             AU 2001096608
             EP 1328287
             JP 2004510425
 AU 2003257511
PRIORITY APPLN. INFO.:
                                                                                                         US 2000-685830
                                                                                                                                                        A 20001009
                                                                                                         US 2001-785019
                                                                                                                                                         A 20010215
                                                                                                         US 2001-938864
                                                                                                                                                         A 20010824
 Young, Shawquia, Page 11
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L22 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
488769-09-1 HCAPLUS
CN Haptoglobin (human 129-amino acid derivative) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
CN 488769-10-4 HCAPLUS
CN Haptoglobin (human 70-amino acid derivative) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN Entered STN: 09 Jul 1999
                               Entered STN: 09 Jul 1999
The invention provides novel genes and polypeptides derived therefrom encoding a redox-sensitive protein that promotes cell growth, protects cells from apoptosis, scavenges oxygen radicals and can be used for the reversion of a tumor phenotype. To identify gene(s) responsible for 1,10-phenanthroline (OP)-induced apoptosis in two murine tumor lines a differential display technique was used and cDNA for an OP-inducible gene SAG was cloned into TA cloning vectors. SAG encodes a novel, redox-sensitive heme-binding protein with a zinc ring finger domain. The SAG protein consists of 113 amino acids with a calculated mol. weight of
                               kDa. Sequence homol. searches reveal that SAG is highly conserved among species, suggesting its functional importance. This suggestion is demonstrated by the finding that SAG disruption in yeast is lethal. Two SAG deletion mutants have been detected in human cancer cell lines originating from colon and testie, suggesting its possible role in human carcinogenesis. Overexpression of SAG protein in a human colon carcinoma line, DLD1, and a human neuroblastoma line, SYST, protects cells from apoptosis induced by OP, zinc and copper ions. Furthermore, antisense
                                   transfection inhibits certain tumor cell phenotypes in DLD1 human cell line and microinjection of SAG RNA stimulates cell growth. We propose that SAG protein is a cellular protective mol. functioning as a redox sensor to buffer oxidative-stress induced damage as well as a growth factor to stimulate cell growth. SAG protein will be an ideal mol.
   target
in the development of drugs against neurodegenerative disorders, cancers,
muscle dystrophy, and promoting wound healing.
ACCESSION NUMBER: 1999:425792 HCAPLUS
DOCUMENT NUMBER: 131:69276
TITLE: Sensitive to apoptosis gene (SAG) and its
   applications
                                                                                                                                                                     for diagnosing and treating neurodegenerative disorders and cancers % \left( 1\right) =\left\{ 1\right\} =\left\{ 1\right\}
                                                                                                                                                                     disorders and cancers
Sun, Yi
Warner-Lambert Company, USA
PCT Int. Appl., 84 pp.
CODEN: PIXXD2
Patent
   INVENTOR (S)
 PATENT ASSIGNEE(S):
SOURCE:
   DOCUMENT TYPE:
   FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                                                                                                                                                                                                                                                                                    APPLICATION NO.
                                    PATENT NO.
                                                                                                                                                                       KIND
                                                                                                                                                                                                                  DATE
                                    WO 9932514
WO 9932514
W: AL,
                                                                                                                                                                          A2
A3
                                                                                                                                                                                                                  19990701
                                                                                                                                                                                                                                                                                                      WO 1998-US26705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                19981215
                                 MO 9932514

                               ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
Entered STN: 07 Jul 1999
Described is a method for the production of human type I collagen-like
proteins by expression of a cassette containing 1-30 (preferably, 5-8)
tandemly repeats of the collagen-encoding DNA sequence in Bacillus
brevis,
followed by recovering the collagen products secreted into the medium by
the B. brevis. Preparation of neutral or hydrophilic artificial collagen
(gelatin) from the culture of transpenic B. brevis was demonstrated.
ACCESSION NUMBER: 131:94461
131:94461
                                                                                                                                                                     1393/41/703
131:38461
Recombinant preparation of human collagen-like proteins with Bacillus brevis
Kashino, Tsutomu; Takahashi, Haruo; Yamada, Yukio; Hirai, Masans; Takagi, Hiroaki; Ebisu. Shogo;
   DOCUMENT NUMBER:
TITLE:
 INVENTOR(S):
                                                                                                                                                                     HITAL, Masana; Takagi, Hiroaki; Ebisu, Shogo;
Watanabe, Fumiko
Toyota Central Research and Development Laboratories,
Inc., Japan; Higeta Shoyu Co., Ltd.
Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
 PATENT ASSIGNEE(S):
 SOURCE:
   DOCUMENT TYPE:
                                                                                                                                                                          Patent
                                                                                                                                                                       Japanese
        LANGUAGE:
   FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
                                    PATENT NO.
                                                                                                                                                                     KIND DATE
                                                                                                                                                                                                                                                                                                    APPLICATION NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                DATE
 JP 11178574
PRIORITY APPLN. INFO.:
                                                                                                                                                                          A2
                                                                                                                                                                                                                  19990706
                                                                                                                                                                                                                                                                                                    JP 1997-353216
JP 1997-353216
                                   230624-07-4P 230624-08-5P
                                   AND SATISFIES AND ASSESSED AND ASSESSED ASSESSED
proteins with

Bacillus brevie)

RN 230624-07-4 HCAPLUS

CN Collagen (human type I 231-amino-acid derivative) (9CI) (CA INDEX NAME)
   *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 230624-08-5 HCAPLUS
CN Collagen (human type I 168-amino-acid derivative) (9CI) (CA INDEX NAME)
   *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
                                   37ROCTURE DIAGRAM IS NOT AVAILABLE ---
230624-09-FP 230624-09-P
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP
(Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP
(Preparation); PROC (Process)
(nucleotide sequence; recombinant preparation of collagen-like
(nucleotide sequence; recombinant preparation of proteins with Bacillus brevis)
RN 230624-09-6 HCAPLUS
CN DNA (synthetic human type I collagen 231-amino-acid derivative-specifying)
(9C1) (CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 230624-10-9 HCAPLUS
CN DNA (synthetic human type I collagen 168-amino-acid derivative-specifying)
   Young, Shawquia, Page 12
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L22 ANSMER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS ON STN
CA 2201483 AA 19990701 CA 1998-2303463
AU 9919180 A1 19990712 AU 1999-19180
AU 765741 B2 20030925
BR 9813757 A 20001003 BR 1998-13757
                                                                                                             (Continued)
                                                                                                                            19981215
19981215
                                                                                 BR 1998-13757
EP 1998-963962
                                                                                                                            19981215
                                                A2
                                                            20001018
                R: AT, BE, CH, DS, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, 1E, SI, LT, LV, PI, RO
2001526063 T2 20011218 JP 2000-525451 19981215
503417 A 20021220 NZ 1998-503417 19981215
         JP 2001526063
                                                                                  NZ 1998-503417
US 1997-68179P
                                                                                                                       19981215
P 19971219
PRIORITY APPLN. INFO.:
                                                                                 US 1998-99840P
                                                                                                                      P 19980911
                                                                                                                      W 19981215
                                                                                  WO 1998-US26705
        228853-49-4 RL: BOC (Biological occurrence); BSU (Biological study, unclassified);
          (Properties); BIOL (Biological study); OCCU (Occurrence)
(nucleotide sequence; sensitive to apoptosis gene (SAG) and
applications for diagnosing and treating neurodegenerative disorders
         228853-49-4 HCAPLUS
         DNA (human HeLa cell gene SAG zinc ring finger-containing DNA-binding protein 90-amino acid derivative-specifying plus 3'-flank) (9CI) (CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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L22 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued) (9CI) (CA INDEX NAME)
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\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

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L22 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 24 Nov 1997
AB Polypeptides with a repeating sequence of glycine-rich sequence of spider dragline silk were synthesized in E. Coli. The polypeptide in the solid state formed a β-sheet structure which exists in crystalline region of spider silk.

ACCESSION NUMBER: 1997:739097 HCAPLUS

DOCUMENT NUMBER: 128-723114
          1997:739097 HCAPLUS
128:72114
 secondary
            ndary
conformational analyses in the solid state by Fourier transform IR
measurements. The polypeptides composed of 4, 5, 6, 7, 11, 12, or 13
repeats of SCAP(1) were expressed in Escherichia coli, purified by nickel
chelate affinity chromatog., and then cleaved with cyanogen bromide to
release N- and C-terminal extensions. Typical yields were from 1.2 to
                                                                                                                                                                                                                           DOCUMENT NUMBER:
TITLE:
                                                                                                                                                                                                                                                                                      Secondary structural studies of biosynthetic polypeptides with a repeating sequence of
                                                                                                                                                                                                                          glycine-rich
                                                                                                                                                                                                                                                                                      sequence of spider dragline silk
Fukushima, Yasumasa; Nakajima, Hiroshi
Research and Development Center, Unitika Ltd., Kyoto,
                                                                                                                                                                                                                           AUTHOR(S):
CORPORATE SOURCE:
            mg of lyophilized uncleaved polypeptides per L of fermentation medium at
                                                                                                                                                                                                                                                                                        611, Japan
                                                                                                                                                                                                                                                                                      CODEN: CMLTAG; ISSN: 0366-7022
Chemical Society of Japan
            absorbance of 2.0 at 600 nm, and the production levels increased with decreasing the mol. weight of the expressed polypeptides. The \frac{1}{2}
                                                                                                                                                                                                                           SOURCE:
lyophilized

powder of cleaved SCAP(13) adopted the random coil, whereas the cast film from formic acid formed the β-sheet structure. The conformational results might indicate that the glycine-rich sequence formed β-sheet structure in spidroin I. Cleaved SCAP(13) started to decompose under nitrogen at ca. 230°C, which was in agreement with the decompose tion temperature of the spider dragline silk from N. clavipes.

ACCESSION NUMBER: 1998:129222 HCAPLUS

DOCUMENT NUMBER: 128:266743

Genetically engineered syntheses of random reputitive.
 lyophilized
                                                                                                                                                                                                                           PUBLISHER:
                                                                                                                                                                                                                           DOCUMENT TYPE:
                                                                                                                                                                                                                                     ZOUTHAI
JAGE: English
200445-99-4P 200446-00-0P 200446-01-1P
200446-02-2P 200446-03-3P 200446-04-4P
                                                                                                                                                                                                                           LANGUAGE:
                                                                                                                                                                                                                                       200446-05-5P
                                                                                                                                                                                                                                     200446-05-5P
RL: BPN (Biosynthetic preparation); PRP (Properties); BIOL (Biological study); PREP (Preparation)
(amino acid sequence; secondary structure of biosynthetic polypeptides with a repeating sequence of glycine-rich sequence similar to spider dragline silk protein spidroin)
200445-99-4 HCAPLUS
                                                            128:266743 Genetically engineered syntheses of tandem repetitive polypeptides consisting of glycine-rich sequence of spider dragline silk Fukushima, Yasumasa Remearch and Development Center, Unitika Ltd., Kyoto, 611. Jana
 TITLE:
 AUTHOR(S):
CORPORATE SOURCE:
                                                                                                                                                                                                                                       Protein (synthetic spider dragline silk 105-amino acid derivative) (9CI) (CA INDEX NAME)
                                                             Biopolymers (1998), 45(4); 269-279
CODEN: BIPMAA; ISSN: 0006-3525
John Wiley & Sons, Inc.
                                                                                                                                                                                                                                  STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-00-0 HCAPLUS
Protein (synthetic spider dragline silk 120-amino acid derivative) (9CI)
(CA INDEX NAME)
SOURCE:
 PUBLISHER:
 DOCUMENT TYPE:
 LANGUAGE
                                                            English
            200445-99-4P
                                                                                                                                                                                                                                  STRUCTURE DIAGRAM IS NOT AVAILABLE ***
           200445-99-4P
RL: BPN (Bhosynthetic preparation); RCT (Reactant); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(genetically engineered syntheses of tandem repetitive polypeptides consisting of glycine-rich sequence of spider dragline silk)
200445-99-4 HCAPLUS
Protein (eynthetic spider dragline silk 105-amino acid derivative) (9CI)
(CA INDEX NAME)
                                                                                                                                                                                                                                     200446-01-1 HCAPLUS
Protein (synthetic spider dragline silk 135-amino acid derivative) (9CI)
(CA INDEX NAME)
                                                                                                                                                                                                                                   STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-02-2 HCAPLUS
Protein (synthetic spider dragline silk 150-amino acid derivative) (9CI)
(CA INDEX NAME)
   *** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR
                                                                                                                                                                                                                                    STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-03-3 HCAPLUS
Protein (Bynthetic spider dragline silk 210-amino acid derivative) (9CI)
(CA INDEX NAME)
                                                                          RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT
                                                                                                                                                                                                                                    STRUCTURE DIAGRAM IS NOT AVAILABLE ***
200446-04-4 HCAPLUS
Protein (synthetic spider dragline silk 225-amino acid derivative) (9CI)
(CA INDEX NAME)
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\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*
RN 200446-05-5 HCAPLUS
N Protein (synthetic spider dragline silk 240-amino acid derivative) (9CI)
(CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*
ERENCE COUNT: 7 THERE ARE 7 CITED REPERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

=> file reg

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 27.09 207.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
SINCE FILE TOTAL ENTRY SESSION

CA SUBSCRIBER PRICE -6.00 -13.50

FILE 'REGISTRY' ENTERED AT 17:22:29 ON 15 DEC 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7 DICTIONARY FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s electrode

L23 11 ELECTRODE

=> d scan

L23 11 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN IN Indium tin oxide (9CI) MF In . O . Sn CT TIS

Component	1	Ratio
0	·-;	×
In	ı	×
Sn	- i	×

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d ed abs ibib hitstr 1-11
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN

SAM - Index Name, MF, and structure - no RN FIDE - All substance data, except sequence data

IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data

SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used

SQD - Protein sequence data, includes RN

SQD3 - Same as SQD, but 3-letter amino acid codes are used

SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties EPROP - Table of experimental properties

PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract

APPS -- Application and Priority Information

BIB -- CA Accession Number, plus Bibliographic Data

CAN -- CA Accession Number

CBIB -- CA Accession Number, plus Bibliographic Data (compressed)

IND -- Index Data

IPC -- International Patent Classification

PATS -- PI, SO

STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels

IBIB -- BIB, indented, with text labels

ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

 $\begin{array}{lll} {\tt HELP\ FORMATS\ --\ To\ see\ detailed\ descriptions\ of\ the\ predefined\ formats.} \\ {\tt ENTER\ DISPLAY\ FORMAT\ (IDE):end} \end{array}$ 

=> d ed abs ibib

L23 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2006 ACS on STN
ED Entered STN: 18 Jan 1994
AB The high alloy overlays of ECOCRA and ENICORMO-4 were diluted by iron from the mild steel substrate to different extente, depending on the welding process and parameters. The dilution of major alloy constituents can be

in manual metal-arc welding. The dilution in plasma transfered-arc welding
using powder alloys can be controlled within 5-10%. The effect of dilution
in the overlays using both processes on the microstructure, hardness, wear, and corrosion properties were studied.

ACCESSION NUMBER: 120:59512 CA
TITLE: Study of dilution of high alloy overlays
ACHING(S): Chattopadhyay, R.; Kammer, P. A.
CORPORATE SOURCE: Ewac Alloys Ltd., Bombay, India
Int. Trends Weld. Sci. Technol., Proc. Int. Conf.
Trends Weld. Res., 3rd (1991), Meeting Date 1992,
455-60. Editor(s): David, Stan A.; Vitek, J. M. >30%

ASM:

DOCUMENT TYPE: LANGUAGE:

Materials Park, Ohio. CODEN: 59GAAM Conference English